

Accident / Incident Report Closed



Unit/Department	Process Area	Site	Report Number
South Operation-Elyria	General Catalyst – Building 9	ELYRIA	0084-SOPS-15-0076
Report Date	Incident Date	Incident Time	Copied From
06/08/2015	06/08/2015	04:00 AM	
Incident Location		Team Leader / Supervisor	Reported By
Building #9 on the PK dust collector		Brian Beller	Corey Turk
Title of Event (Limit to 90 characters)		Category	Division / Bus. Group / Subgroup Code
PK dust collector discharge of material from side of building #9		<input type="checkbox"/> Safety & Health <input type="checkbox"/> Environmental	CC / G-CCP
Incident Classification			
<input type="checkbox"/> Near Miss <input type="checkbox"/> Process Safety <input type="checkbox"/> Injury / Illness <input checked="" type="checkbox"/> Spill / Release <input type="checkbox"/> Permit / Regulatory Deviation <input type="checkbox"/> Fire <input type="checkbox"/> Odor Complaint <input type="checkbox"/> Property Loss <input type="checkbox"/> Citation / NOV <input type="checkbox"/> Health Exposure <input type="checkbox"/> Inspection <input type="checkbox"/> Major Incident <input type="checkbox"/> Non-Occupational <input type="checkbox"/> RMP <input type="checkbox"/> Contractor <input type="checkbox"/> Contractor Injury / Illness <input type="checkbox"/> Contract Injury / Illness <input type="checkbox"/> PSM <input type="checkbox"/> Plant Upset <input type="checkbox"/> EHS Management System Failure <input type="checkbox"/> Other			
Describe Event / What Happened			
On 6-8-15 the PK dust collector hopper had material back up in it and caused a release from the blower discharge pipe on the west side of the building. The DP readings on the dust collector were at 8+ and the operator removed 2+ drums of material from the dust collector drop drum. It appears that this issue only occurs during the manufacture of AI-3915 pill mix which is finer.			
Immediate Corrective Action or Response			
Turned off blower, emptied hopper, and engaged blow downs			
Immediate Cause			
The dust collector hopper backed up with material and caused pass thru of the material through dust collector filters to the clean side of the dust collector.			
Spill Release Type(s)		Non RQ Spill / Release	
Chemical(s) Involved	CAS #	Phy. State	Air
AI 3915 Pill Mix	N/A	Dust	.05
Disposition of Material	released to air	Land	Water
Weather Conditions	Skies:	Temperature:	Wind Direction:
			Wind Speed:

Cause Narrative			
Dust collector bags were most likely caked at higher pressure drop and small particles were pulled through the bags. The collector has had bags removed to raise the pressure drop to the Title V operating range. Once the buildup was removed it appears that the dusting stopped.			
Contributing Causes		Root/Primary Causes	
Currently we only check pressure drop before starting a batch and not during or after the batch is complete	111 - Procedures	130 - Wrong/Incomplete	136 - Incomplete/Situation Not Covered
It is possible that the potentially incorrect bags that had been in use served this process better	55 - Administrative/Management Systems	78 - Problem Identification/Control	81 - Problem Analysis LTA
Pressure drop gauge is not near operator during blending step	138 - Human Factors Engineering	140 - Workplace Layout	141 - Controls/Displays LTA

Explanation of Root Causes						
81 - the bags that were in the collector previously are functioning differently than the bags that are currently believed to be in use. More investigation on the type of bag used for this application needs to occur.						
Any known or potential off-site impacts?		No	PSM Incident?		No	Estimated Cost: 1,000.00 USD
Investigation Team		Justin Quach; Brian Beller; Leon Zavodnik				
Item	Corrective Action(s) to prevent recurrence	Responsible Person		Target Date	Final Closed Date	VC Req
1	Modify batch sheet to monitor and check pressure drop during operations and too shut down if upper range is exceeded.	Justin Quach/NA/BASF		10/23/2015	10/13/2015	N
2	Add or move pressure reading gauge for blender downstairs where it is accesible to operator	Brian Beller/NA/BASF		10/23/2015	10/23/2015	N
3	Investigate the types of bags that are used for Pill mix and determine which ones are proper for the collector	Justin Quach/NA/BASF		10/23/2015	10/22/2015	N
Approved By:						
Manager / Dept. Head		Leon Zavodnik 06/24/2015 05:45 PM				
EHS Unit Coordinator		Valerie Topete 06/26/2015 02:28 PM				
Confidential						